W385 Aquifer Test Update (Day 28)

Inyo County Water Commission

January 16, 2020

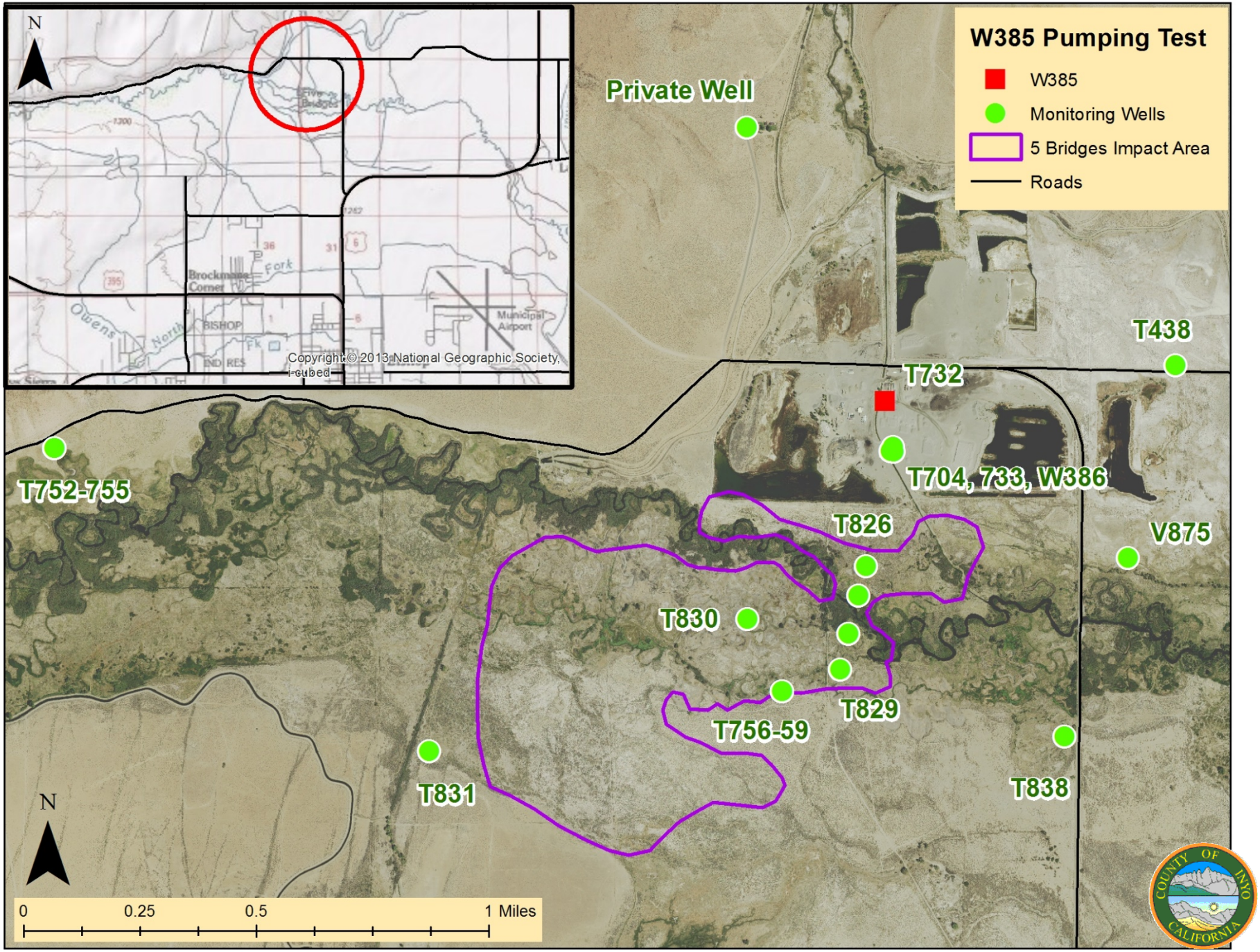
Inyo County Water Department

W385 and W386 Abridged History

- W385 & W386 pumped appx 8,700 Acre Feet from 1987 to 1989
- Wells originally screened in both shallow and deep aquifers
- April 1989 - vegetation impacts noted in Five Bridges Area
- Wells shut off and remediation begins at Five Bridges

W385 and W386 Abridged History

- 1993-1994 test conducted on W385 & W386 at a combined pumping rate of 16.3 cubic feet per second (cfs)
- Widespread drawdown noted shallow & deep monitoring wells
- No monitoring well data collected at Fish Slough
- 2014 LADWP sealed W385 and W386 to 320+ feet, pumping capacity reduced to appx 3 cfs per well


W385 Pumping Test
W385
Monitoring Wells
5 Bridges Impact Area
Roads
Private Well
T438
T732
T704, 733, W386
T752-755
T826
V875
T830
T829
T756-59
T831
T838
N
0
0.25
0.5
1 Miles
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Brockmans Corner
BISHOP
Municipal Airport
Owens
North
Fork
COUNTY OF INYO CALIFORNIA

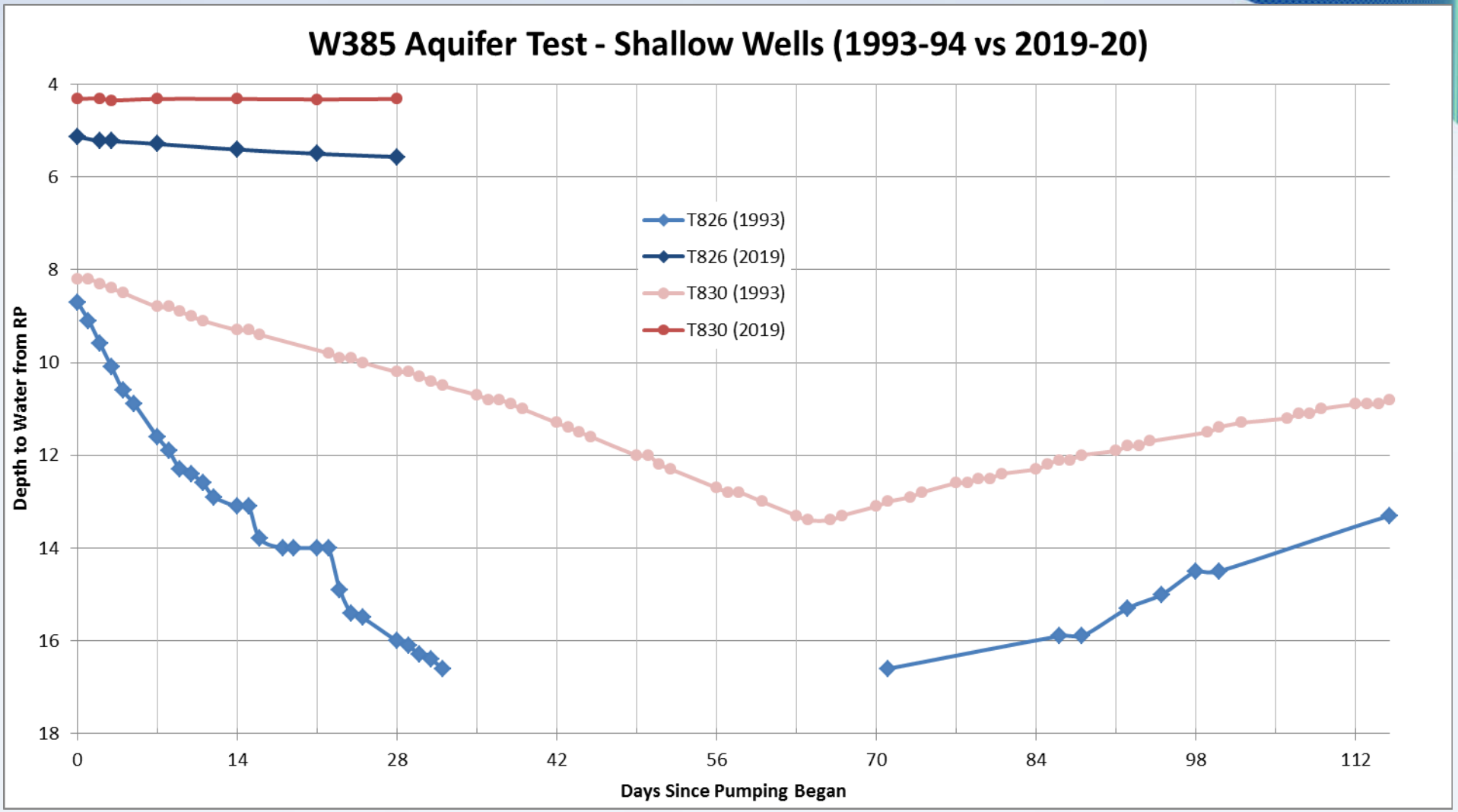
Current W385 Aquifer Test

- 64-day pumping test of W385 at appx 3 cfs started Dec. 16, 2019
- Approximately 185 Acre-feet pumped as of Day 28
- Monitoring network includes 29 wells in both the shallow water table aquifer and deeper semi-confined or confined aquifer with hourly DTW measurements
- 6 monitoring wells are trigger wells: 4 in shallow aquifer, 2 in deep aquifer

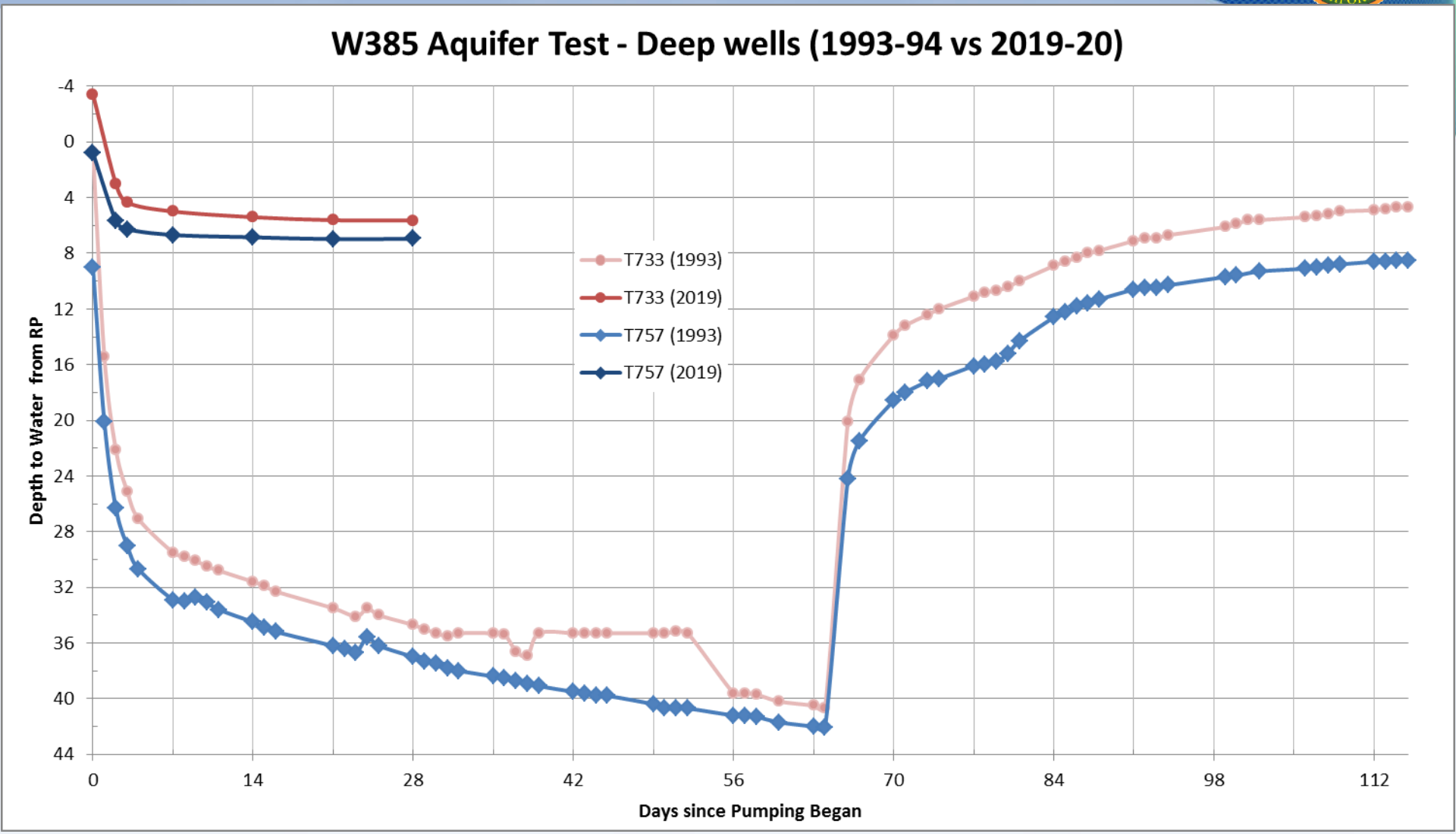
Trigger Well	DTW on December 12, 2019 (from RP)	2-mo. Allowable Drawdown	Trigger Level DTW (from RP)	Approx. RP height above ground surface
T830	4.31	1.79	6.10	1.05
T826	5.10	2.50	7.60	0.94
Private Well	11.34	9.96	21.30	0.5
FS #2	4.25	0.35	4.60	1.8
FS #3S	14.56	0.64	15.20	2.76
FS #3D	14.11	1.89	16.00	2.59

All values in feet

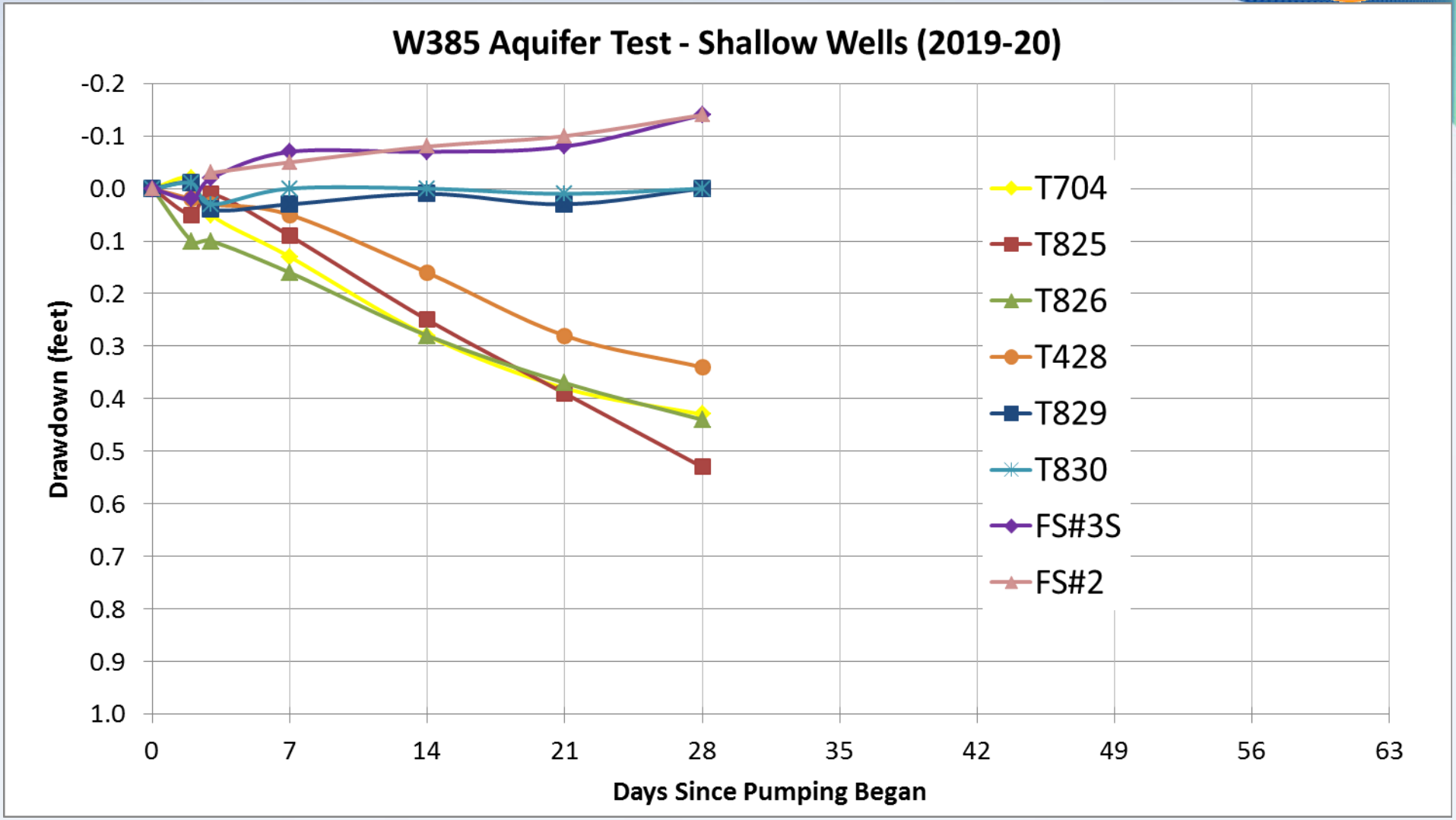
Hydrographs Shallow Aquifer



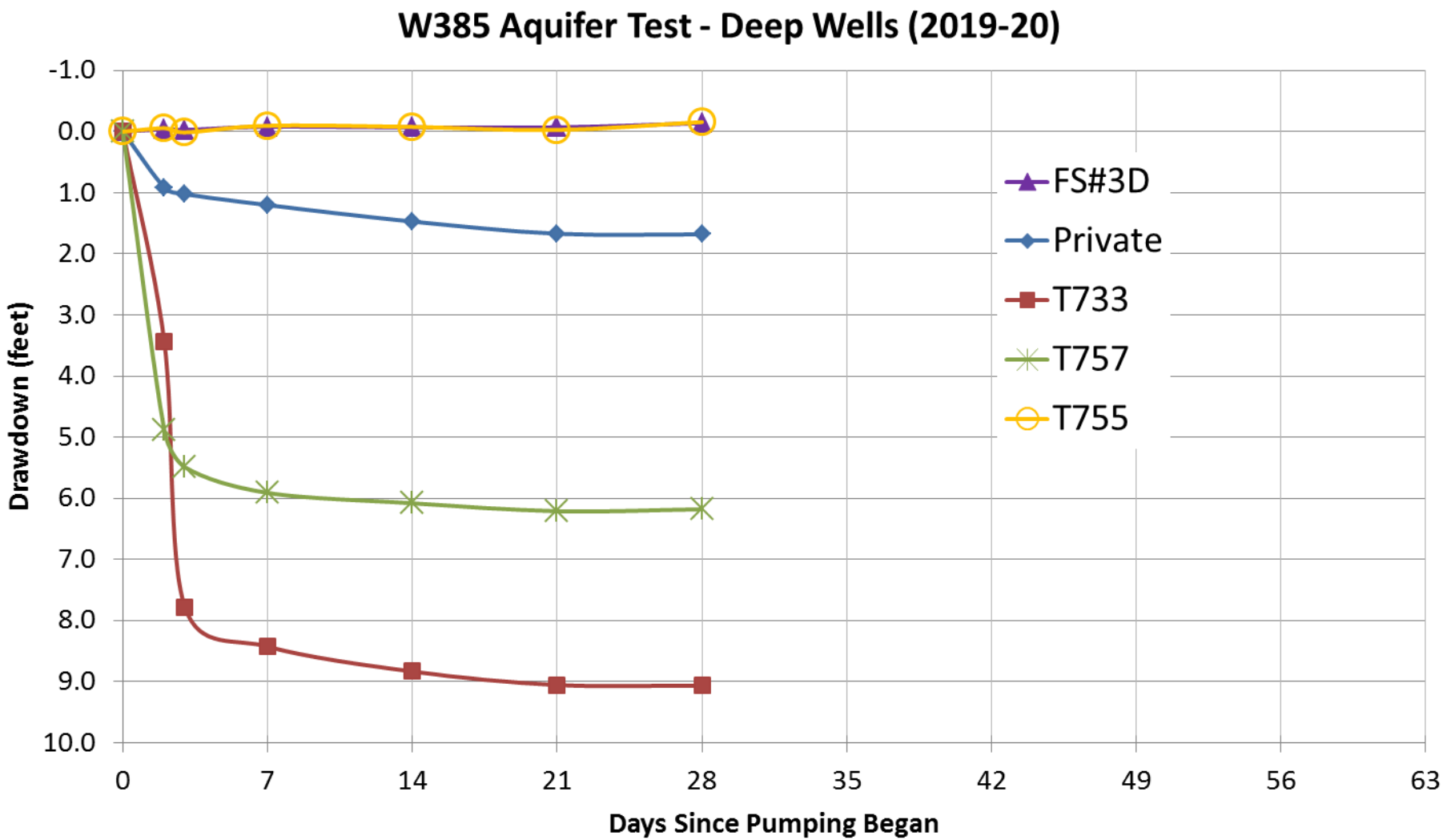
Hydrographs Deep Aquifer



2019-20 Shallow Aquifer Drawdown



2019-20 Deep Aquifer Drawdown



Summary

- W385 pumping test is ongoing and proceeding as expected
- Pumping shutoff planned for Feb. 18, 2020
- Drawdown in Shallow Aquifer is currently less than 0.6 feet
- Drawdown in Deep Aquifer at Private Well is currently less than 1.7 feet
- Drawdown in trigger wells is **NOT** near trigger levels
- Spring 2020 LADWP is committed to spreading an equal amount of water as pumped during the test